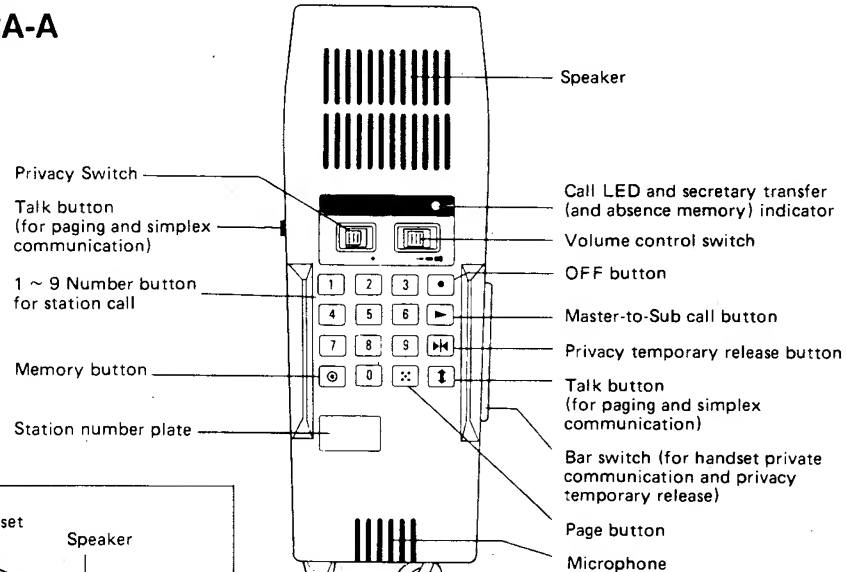


# RAX/RCX TYPE A DUPLEX INTERCOM

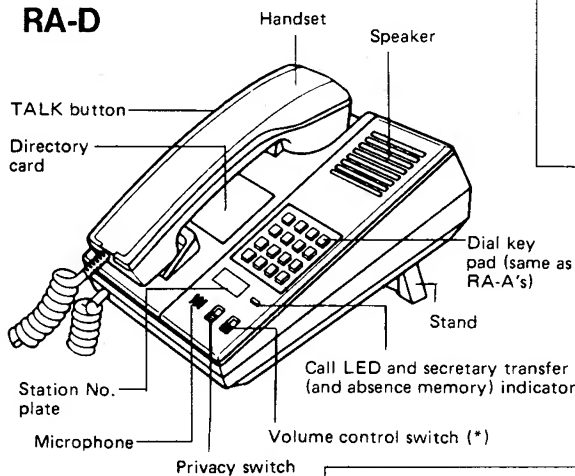
**MODELS:**
**RA-A,  
RA-B,  
RA-D,  
RA-C,**
*Master, Open voice with handset*
*Master, Open voice (Flush-mount)*
*Master, Speaker-phone type*
*Sub, Open voice (Flush-mount)*

## OPERATION INSTRUCTIONS

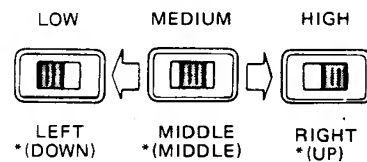
### RA-A



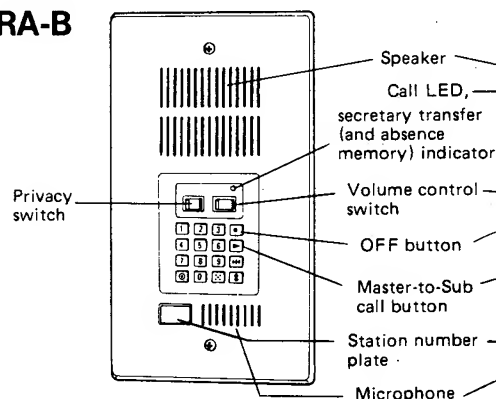
### RA-D



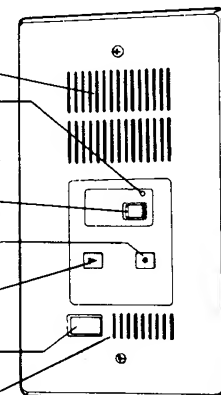
- The call tone & communication volume can be adjusted to three levels.



### RA-B



### RA-C



# 1 CALLING



OPERATION	MODE OF THE CALLED STATION	ACTION
Press digit buttons of desired station. [1] [0] for station No.10 [1] [0] [0] for station No.100  <b>Master/sub communication;</b> * At RA-C sub, simply press [ ] button to call master. * At master, press [ ] button (and, in RCX only, a digit button [1] ~ [9] ) to call sub.	(1) [ ] Single call tone → (2) [ ] Busy tone →  OR  OR  (3) [ ] Network busy tone (in RCX only) → (4) [ ] Privacy tone → (5) [ ] Absence tone (in RCX only) →  OR	Communicate. Press [ ] (OFF) button (or hang up handset in RA-D) to cancell call. Press [ ] button to leave a request for call back. <b>(Camp-on busy)</b> Press [ ] button for urgent break in signal and (for RCX only) press [ ] button to call by voice. Press [ ] (OFF) button.  Wait for station to release from privacy mode. Press [ ] (OFF) button to cancell call. OR Press [ ] button to leave a request for call back. <b>(Camp-on absence)</b>

Press [ ] (OFF) button or hang up handset in RA-D to end communication.

# RECEIVING



MODE OF YOUR STATION	CALLING TONE	ACTION
(1) Non-privacy mode	Single call tone →	Communicate handsfree.
	OR	At RA-A, pick up the unit and depress the bar switch for private communication.
	OR	At RA-D, pick up handset for private communication.
(2) Privacy mode	Privacy call tone →	Momentarily press [ ] button and communicate handsfree.
	OR	At RA-A, pick up the unit and depress the bar switch for private communication.
	OR	At RA-D, pick up handset for private communication.
(3) Communicating with another station	Urgent message break-in signal and call (in RCX only) →	Press [ ] button to place present communication on hold, and reply. ↓ Press [ ] button to restore connection to station on hold.

## 2 PRIVACY – To block out incoming calls and prevent monitoring;




- \*Setting Privacy mode; Slide PRIVACY Switch to the right position. 
- \*Releasing from Privacy mode; Slide PRIVACY Switch to the left position. 


Note: Setting and releasing from Privacy mode must be made while your station is in standby mode.

## 3 CALL HOLDING – To place present communication on hold;




- \*Press  button.
- \*Press  button to restore connection to station on hold and resume conversation.

## 4 CALL TRANSFER – To route incoming calls to another station;


- (1) Press  button.
- (2) Press number of station where call is to be transferred.
- (3) After communication line is established, press  button. (3) After communication line is established, press  button.

Note: When you have no reply, press  button and resume the initial communication.

## 5 SECRETARY TRANSFER (STATION TRANSFER) – To have any incoming call to you answered by your secretary;








- \*Setting Secretary Transfer mode; Press  button and station number of your secretary.
- \*Cancelling Secretary Transfer mode; Press  and  buttons.

## 6 SIMPLEX COMMUNICATION – When communicating with a station located in a noisy area;











Press  button to talk and release to listen.

\*WHEN YOUR SYSTEM INCLUDES PAGING FUNCTIONS;

## 7 ALL PAGE – To page all zones in your system through paging speakers;


- |  |   |
|--|---|
| (1) Press  ,  buttons. | (1) Press  ,  buttons (and  button, if call back is required). |
| (2) Make announcement while depressing and holding (*)  button.   |   |
| (3) Wait for call back. OR If call back is not desired, press  button.                                    |   |

## 8 ZONE PAGE – To page one zone in your system through paging speakers;

- |   |  |
|---|--|
| (1) Press  and zone number button (  ~  ). | (1) Press  , zone number button (  ~  ) (and  button, if call back is required). |
| (2) Make announcement while depressing and holding  button.<br>If talkback is included, release (*)  button to listen.        |  |
| (3) Wait for call back. OR If call back is not desired, press  button.   |  |

## 9 CALL BACK TO PAGING (ALL PAGE/ZONE PAGE)

- |  |  |
|--|--|
| Press  button at the nearest station. | Press  and  buttons at any station (in a zone paged). |
|--|--|

(\*) In RA-A and RA-D, TALK button in handset works for  (TALK) button on the dial key pad.

## 10 ALL CALL — To page through all intercom stations;

(1) Press **[5]** button.

(1) Press **[⋈]** and **[0]** button (and **[⋈]** button, if call back is required).

(2) Make announcement while depressing and holding **[↓]** button. (\*)

(3) Wait for call back. OR If call back is not desired, press **[•]** button.

## 11 CALL BACK TO ALL CALL

(1) Press **[5]** button at the nearest station.

(1) Press **[5]** and **[⋈]** buttons at the nearest station.

## 12 GROUP CALL — To page through a group of intercom stations;

(1) Press **[⋈]** and a group number button **[5] ~ [8]** (and **[⋈]** button, if call back is required).

(2) Make announcement while depressing and holding **[↓]** button. (\*)

(3) Wait for call back. OR If call back is not desired, press **[•]** button.

## 13 CALL BACK TO GROUP CALL

(1) Press **[5]** and **[⋈]** buttons at any station of a group paged.

\*WHEN YOUR SYSTEM INCLUDES DEVICES, SUCH AS INTERNAL/EXTERNAL LIGHTS, DOOR RELEASE ETC.

## 14 REMOTE OPERATION OF EXTERNAL DEVICES

(1) Press **[⋈]** button and zone number button (**[1]**, **[2]**, **[3]** or **[4]**).

(2) Momentarily press **[↓]** button. (\*)

\* If you hear intermittent tone, the external device is in ON mode.

\* If you hear a continuous tone, the external device is in OFF mode.

(3) Depress **[0]** button to reverse ON/OFF mode of internal/external lights, etc. OR Depress and hold **[0]** button to activate electric door release, etc.

(4) Press **[•]** button.

## 15 CONFERENCE CALL — To initiate a conference call;

(1) Press number button of each station to be included and **[⋈]** button after each (up to 5 stations).

(2) Initiator depresses and holds down (\*) **[↓]** button and begins conversation.

(3) The called stations must depress and hold down **[↓]** button (\*) to respond.



(4) The called stations press **[•]** button to get out of the conference.

At conclusion of the conference, initiator must press **[•]** button.

(\*) In RA-A and RA-D, TALK button in handset works for **[↓]** (TALK) button on the dial key pad.





**16 ABSENCE MEMORY**

– To program your station to remember who called during your absence;

- (1) Press  and  buttons.
- (2) Upon your return, red light flickering every other second indicates that you have calls in your station's memory bank.



**17 ABSENCE MEMORY CALL BACK**

– When you noticed fast flickering red light upon your return;

- (1) Press  button.
- (2) Press  button at completion of your conversation.
- (3) Repeat process until red light flickers more slowly and all calls have been answered.
- (4) Absence Memory Clear; Press  and  buttons to restore your station to normal operation.

**18 MEMORY CLEAR**

– To erase all memory functions except privacy (Camp-on busy, Camp-on absence, Absence memory & Secretary transfer)

Press  and  buttons and your station returns to normal operation.

# OPERATIONAL FLOW

NO.	FUNCTIONS	RAX	RCX
1	STATION CALL	[No.] [No.]	[No.] [No.] (and [No.] in RCX-88, -128)
	OFF	• or Hang up handset. (RA-D)	• or Hang up handset. (RA-D)
	CAMP-ON BUSY SET	⊙	⊙
	CAMP-ON BUSY CLEAR	⊙ 0	⊙ 0
	URGENT MESSAGE BREAK-IN SIGNAL (and CALL)	0 (to signal only)	0 (to signal) → ↑ (to call by voice)
	REPLY TO URGENT MESSAGE BREAK-IN	⊙	⊙
	MASTER/SUB COMMUNICATION	▶	▶ (Sub to master) ▶ 1~9 (Master to sub)
2	PRIVACY	■	■
	NON-PRIVACY	■	■
	TEMPORARY PRIVACY RELEASE	⏮	⏮
3	CALL HOLDING	⊙ → ⊙ or • (to return)	⊙ → • (to return)
4	CALL TRANSFER	⊙ [No.] [No.] 7	⊙ [No.] [No.] ([No.]) ⊙
5	SECRETARY (STATION) TRANSFER SET	⊙ [No.] [No.]	⊙ [No.] [No.] ([No.])
	SECRETARY (STATION) TRANSFER CLEAR	⊙ 0	⊙ 0
6	SIMPLEX COMMUNICATION	↑	↑
7	ALL PAGE (WITH CALL BACK)	⋮ 9 ↑	⋮ 9 (⋮) ↑
8	ZONE PAGE (WITH CALL BACK)	⋮ 1~4 ↑	⋮ 1~4 (⋮) ↑
9	CALL BACK TO PAGING	6	6 ⋮
10	ALL CALL (WITH CALL BACK)	5 ↑	⋮ 0 (⋮) ↑
11	CALL BACK TO ALL CALL	5	5 ⋮
12	GROUP CALL (WITH CALL BACK)		⋮ 5~8 (⋮) ↑
13	CALL BACK TO GROUP CALL		5 ⋮
14	REMOTE OPERATION	⋮ 1~4 ↑ 0	⋮ 1~4 ↑ 0
15	CONFERENCE CALL		<sup>(1)</sup> [No.] [No.] ⋮ ... <sup>(5)</sup> [No.] [No.] ⋮ ↑
16	ABSENCE MEMORY SET		⊙ ⏮
17	ABSENCE MEMORY CALL BACK		⊙
	ABSENCE MEMORY CLEAR		⊙ 0
18	CLEAR MEMORY	⊙ 0	⊙ 0

# RCX SYSTEM OPTIONS

## 1 DOOR STATIONS

– To receive a call from up to two door stations at either of up to five programmed master stations;

(1) A call from door station is announced at all programmed master stations by electronic chime.

\* If the chime is 4 strokes, the call is from the first door station.

Press [5] [▶] buttons.

\* If the chime is 2 strokes, the call is from the second door station.

Press [6] [▶] buttons.

(2) Talk handsfree. In RA-A, Pick up the unit and hold the bar switch and, in RA-D, pick up handset for private handset communication. When the door station is situated in a noisy area, you may press [TALK] (TALK) button to talk and release to listen.

(3) If your system includes a door release, momentarily press [0] button during communication, which activates the timer circuits for opening the door.

(4) Press [OFF] (OFF) button or hang up handset in RA-D to end communication with door station.

## 2 ADDITIONAL PAGING/REMOTE CONTROL

To select any YAW adaptor, press [7] [▶] buttons.

(1) When continuous mono tone is heard;

### Paging with YAW-R or YAW-RA;

Press [⋮] button and an adaptor number button (0 ~ 9) (and a zone number button in YAW-RA 1 ~ 8). Make announcement depressing [TALK] button (and release to listen, if talkback is included). Press [•] button at end of announcement.

NOTE:

After selecting an adaptor number for YAW-RA, press zone number buttons (1 ~ 8) in succession for multiple zone page or [⊗] button for all page (to 8 zones simultaneously).

### Remote operation of controlling ON/OFF of lights or door release, etc.;

Press [⋮] button and an adaptor number button (0 ~ 9) for YAW-S.

\* When an intermittent tone is heard, the lighting function is in ON mode.

\* When a continuous tone is heard, the lighting function is in OFF mode.

Alternate operation: Momentarily press [⊗] button to turn on lights. OR  
Momentarily press [⋮] button to turn off lights.

Momentary operation: Press and hold [⊗] button down to activate door release, etc.  
Press [•] button.

(2) When intermittent tone is heard;

It means other station is operating paging or remote control and the channel is occupied. Press [•] button to disconnect and call later.

NOTES:

1. It is not possible to operate two or more adaptors at the same time.
2. Paging/remote control operations can be made by master stations RA-A, RA-B and RA-D.

## DIRECTORY

[illegible]

Aiphone Co., Ltd., Nagoya, Japan  
Aiphone Corporation, Bellevue, Washington



## INTERCOM SYSTEMS

**AIPHONE**  
HOME, BUSINESS, INDUSTRY